

Rat Albumin (ALB) ELISA Kit | ALB elisa kit

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CATALOG #
AAA63598

REACTIVITY
Rat

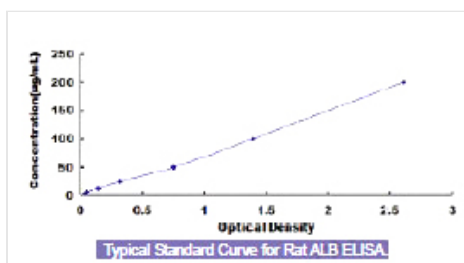
PRODUCT SYNONYMS

Albumin (ALB); Rat Albumin (ALB) ELISA Kit; Serum albumin; ALB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ALB. No significant cross-reactivity or interference between ALB and analogues was observed.
Sequence Length	608
Samples	Serum, plasma and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	3.12-200?g/mL
Sensitivity	0.93?g/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALB in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ALB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ALB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ALB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ALB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158138568
NCBI GeneID	24186
NCBI Accession #	NP_599153.2
NCBI GenBank Nucleotide #	NM_134326.2
UniProt Accession #	P02770; P11382; Q5U3X3
Molecular Weight	68,731 Da
NCBI Official Full Name	serum albumin
NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	Alb
NCBI Official Synonym Symbols	Alb1; Albza
NCBI Protein Information	serum albumin
UniProt Protein Name	Serum albumin
UniProt Gene Name	Alb

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/albumin-alb/63598>